



State of Utah

Department of  
Environmental Quality

Dianne R. Nielson, Ph.D.  
*Executive Director*

DIVISION OF AIR QUALITY  
Richard W. Sprott  
*Director*

OLENE S. WALKER  
*Governor*  
GAYLE F. McKEACHNIE  
*Lieutenant Governor*

DAQE-IN2466005-04

August 31, 2004

Mr. Dan Andeson  
Engineering Manager  
Berry Petroleum Company  
410 17th Street, Suite 2440  
Denver, Colorado 80202

Dear Mr. Andeson:

Re: Intent to Approve: Modification to Approval Order DAQE-AN2466002-04, Add  
Equipment and Increase Production  
Duchesne County, CDS B, ATT Project Code: N2466-005

The attached document is the Intent to Approve (ITA) for the above-referenced project. ITAs are subject to public review. Any comments received shall be considered before an Approval Order is issued.

Future correspondence on this Intent to Approve should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. Please direct any technical questions you may have on this project to Mr. Tad Anderson. He may be reached at (801) 536-4456.

Sincerely,

Rusty Ruby, Manager  
New Source Review Section

RR:TA:dn

cc: Tri-County Health Department

**STATE OF UTAH**

**Department of Environmental Quality**

**Division of Air Quality**

**INTENT TO APPROVE: MODIFICATION TO APPROVAL  
ORDER DAQE-AN2466002-04, ADD EQUIPMENT AND  
INCREASE PRODUCTION**

**Prepared By: Tad Anderson, Engineer  
(801) 536-4456  
Email: Tanderson@utah.gov**

**INTENT TO APPROVE NUMBER**

**DAQE-IN2466005-04**

**Date: August 31, 2004**

**Berry Petroleum Company**

**Source Contact  
Dan Anderson  
Phone: (303) 825-3344**

**Richard W. Sprott  
Executive Secretary  
Utah Air Quality Board**

### *Abstract*

*Berry Petroleum Company submitted a Notice of Intent (NOI) to modify the Section #7 Compressor site Approval Order DAQE-AN2466002-04, to add a compressor engine and increase production. The section #7 compressor site has the following existing equipment; one 945 horse powered compressor engine, one Glycol Dehydration Unit and a 300 barrel storage tank. The section #7 compressor station is located south west of Myton in Duchesne County, which is an attainment area of the National Ambient Air Quality Standards (NAAQS) for all pollutants. New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP) and Maximum Available Control Technology (MACT) regulations do not apply to this source. Title V of the 1990 Clean Air Act does not apply to this source. The estimated increase in allowable emissions in tons per year are as follows; 15.4 Tons per Year (TPY) of NO<sub>x</sub>, 13.5 TPY of CO, 9.3 TPY of VOCs, 0.3 TPY of PM<sub>10</sub> and 1.63 TPY of combined HAPs. The estimated emissions, in allowable emissions for the entire site are as follows; 33.7 TPY of NO<sub>x</sub>, 31.8 TPY of CO, 32.3 TPY of VOC, 0.6 TPY of PM<sub>10</sub> and 7.96 TPY of combined HAP. Since Berry Petroleum is adding new equipment a 10-day public comment period is required.*

The NOI for the above-referenced project has been evaluated and has been found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an Approval Order (AO) by the Executive Secretary of the Utah Air Quality Board.

A 10-day public comment period will be held in accordance with UAC R307-401-4. A notice of intent to approve will be published in the Vernal Express on September 1, 2004. During the public comment period the proposal and the evaluation of its impact on air quality will be available for both you and the public to review and comment. If anyone so requests a public hearing it will be held in accordance with UAC R307-401-4. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated.

Please review the proposed AO conditions during this period and make any comments you may have. The proposed conditions of the AO may be changed as a result of the comments received. Unless changed, the AO will be based upon the following conditions:

#### **General Conditions:**

1. This AO applies to the following company:

##### Site Location

Berry Petroleum Company

Phone Number: (435) 722-4521

Fax Number: (435) 722-5004

##### Corporate Office Location

Berry Petroleum Company

410 17<sup>th</sup> Street Suite 2440

Denver, Colorado 80202

(303) 825-3344

(303) 825-3350

The equipment listed in this AO shall be operated at the following location:

PLANT LOCATION:

From Myton, Utah, proceed west on US 40 for 8.8 miles to Antelope Canyon Road. Turn south and proceed 6.3 miles south to the Sowers Canyon Road, turn right and proceed 5.3 miles. The compressor station is on the right side of the road.

Universal Transverse Mercator (UTM) Coordinate System:

4,434.26 kilometers Northing, 552.93 kilometers Easting, Zone 12  
Datum NAD27

2. Definitions of terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code Rule 307 (UAC R307), and Series 40 of the Code of Federal Regulations (40 CFR). These definitions take precedence, unless specifically defined otherwise herein.
3. Berry Petroleum shall install and operate the Section #7 Compressor site in accordance with the terms and conditions of this AO, which was written pursuant to a NOI submitted to the Division of Air Quality (DAQ) on July 28, 2004.
4. The approved installations shall consist of the following equipment:
  - A. Natural Gas Compressor Engine  
Horsepower: 945 h.p.
  - B. Natural Gas Compressor Engine  
Horsepower: 800 h.p.
  - C. Storage Tank  
Size: 300 Barrels
  - D. Glycol Dehydration Unit  
Size: 6 MMscf/day
5. Berry Petroleum shall notify the Executive Secretary in writing when the installation of the equipment listed in Condition #4 (B) has been completed and is operational, as an initial compliance inspection is required. To insure proper credit when notifying the Executive Secretary, send your correspondence to the Executive Secretary, attn: Compliance Section.

If construction has not been completed within eighteen months from the date of this AO, the Executive Secretary shall be notified in writing on the status of the construction. At that time, the Executive Secretary shall require documentation of the continuous construction of the operation and may revoke the AO in accordance with R307-401-11, UAC.
6. This AO shall replace the AO (DAQE-AN2466003-04) dated January 1, 2004.

### **Limitations**

7. Visible emissions from natural gas operated equipment shall not exceed 10% opacity. Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.

### **Fuels**

8. The owner/operator shall use only pipeline quality natural gas for the dehydration unit and the compressor engines.

### **Records & Miscellaneous**

9. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded, and the records shall be maintained for a period of two years.
10. The owner/operator shall comply with R307-107, UAC. This rule addresses unavoidable breakdown reporting requirements.

The Executive Secretary shall be notified in writing if the company is sold or changes its name.

Under R307-150-1, the Executive Secretary may require a source to submit an emission inventory for any full or partial year on reasonable notice.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including R307.

A copy of the rules, regulations and/or attachments addressed in this AO may be obtained by contacting the Division of Air Quality (DAQ). The Utah Administrative Code R307 rules used by DAQ, the NOI guide, and other air quality documents and forms may also be obtained on the Internet at the following web site:

[http://www.deq.state.ut.us/eqair/aq\\_home.htm](http://www.deq.state.ut.us/eqair/aq_home.htm)

The annual emission estimations below include point source and do not include fugitive dust, road dust, tail pipe emissions or grandfathered emissions. These emissions are for the purpose of determining the applicability of Prevention of Significant Deterioration, non-attainment area, Maintenance area, and Title V source requirements of the R307. They are not to be used for determining compliance.

The Potential To Emit (PTE) emissions for the Section #7 Compressor site are currently calculated at the following values:

	<u>Pollutant</u>	<u>Tons/yr</u>
A.	NO <sub>x</sub> .....	33.70

B.	CO.....	31.80
C.	VOC.....	32.30
D.	PM <sub>10</sub> .....	0.60
E.	HAPs.....	7.69

The DAQ is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an AO. An invoice will follow upon issuance of the final Approval Order.

Sincerely,

Rusty Ruby, Manager  
New Source Review Section